

Kiowa Dam and Lake Kiowa

OWNER

Lake Kiowa, Inc.

ENGINEER (Design)

Acrey Associates, Inc.

LOCATION

On Indian Creek in Cooke County, 8 miles southeast of Gainesville.

DRAINAGE AREA

16.4 square miles.

DAM

| | |
|---------------|-------------------------------|
| Type | Earthfill |
| Length | 2,400 ft (including spillway) |
| Height | 42 ft |
| Top width | 20 ft |
| Top elevation | 712.0 ft above msl |

SPILLWAY (emergency)

| | |
|-----------------|--------------------|
| Type | Ogee weir |
| Crest elevation | 700.0 ft above msl |
| Crest length | 150.0 ft |

OUTLET WORKS

| | |
|------------------|---|
| Type | Concrete tower with 24-inch valve control |
| Invert elevation | 672.0 ft above msl |
| Discharge | 24-inch pipe to Indian Creek |

STATE AUTHORIZATION

Permit No. 2268 (Application No. 2505) May 17, 1967, allows impoundment of 7,000 acre-feet of water and use of the lake for recreational purposes. Runoff is to be supplemented by ground water when necessary.

RESERVOIR DATA (Based on design engineer's data)

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|----------|---|
| Capacity | 7,000 acre-feet at elevation 700.0 ft above msl |
| Area | 560 acres at elevation 700.0 ft above msl |

GENERAL

| | |
|--|---------------------------|
| Construction started | July 3, 1968 |
| Dam completed | January 29, 1970 |
| Impoundment of water began | March 1968 |
| General contractor | Dean Construction Company |
| Estimated cost of the dam and spillway | \$637,570 |

